```
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PASSWORD:
  * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:39:06 ON 28 SEP 2007
FILE 'CAPLUS' ENTERED AT 12:39:06 ON 28 SEP 2007
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COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              49.78     396.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -7.02      -7.02

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              49.78     396.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -7.02      -7.02

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STRUCTURE FILE UPDATES:  27 SEP 2007  HIGHEST RN 948530-59-4
DICTIONARY FILE UPDATES:  27 SEP 2007  HIGHEST RN 948530-59-4

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\Stnexp\Queries\10.564511\mostly species.str
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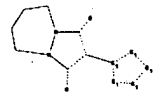

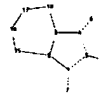

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6  7
ring nodes :
1  2  3  4  5  9  10  12  13  14  15  16  17  18
chain bonds :
1-7  4-6  5-9
ring bonds :
1-2  1-5  2-3  2-15  3-4  3-18  4-5  9-10  9-14  10-12  12-13  13-14  15-16  16-17
17-18
exact/norm bonds :
1-2  1-5  1-7  2-3  2-15  3-4  3-18  4-5  4-6  5-9  9-10  9-14  10-12  12-13  13-14
15-16  16-17  17-18

G1:C,O,S,N

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  9:Atom  10:CLASS  12:CLASS
13:CLASS  14:CLASS  15:Atom  16:Atom  17:Atom  18:Atom


L9       STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9                STR
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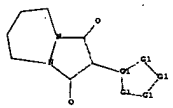

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G1 C,O,S,N
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Structure attributes must be viewed using STN Express query preparation.


=> s l9 sss sam
SAMPLE SEARCH INITIATED 12:39:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        42 TO ITERATE

100.0% PROCESSED       42 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          452 TO     1228
PROJECTED ANSWERS:               0 TO        0

L10           0 SEA SSS SAM L9

=> s l9 sss full
FULL SEARCH INITIATED 12:39:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       882 TO ITERATE

100.0% PROCESSED      882 ITERATIONS                                 4 ANSWERS
SEARCH TIME: 00.00.01

L11           4 SEA SSS FUL L9

=> d scan

L11  4 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   1H-Pyrazolo[1,2-a]pyridazin-1-one, 3-[3-(4-chlorophenyl)-5-propyl-1H-
     pyrazol-1-yl]-5,6,7,8-tetrahydro-3-hydroxy-
MF   C19 H21 Cl N4 O2
```

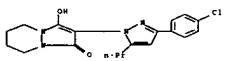

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L11  4 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-(4-chlorophenyl)-5-methyl-1H-
     pyrazol-1-yl]-5,6,7,8-tetrahydro-3-hydroxy-
MF   C17 H17 Cl N4 O2
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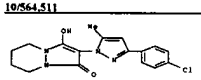

```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


L11  4 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   Propanoic acid, 2,2-dimethyl-, 2-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-
     yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester
MF   C22 H25 Cl N4 O3
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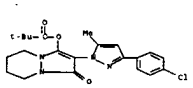

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


L11  4 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 2-cyclopentyl- (6CI)
MF   C20 H18 N2 O2
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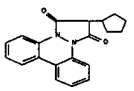

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


ALL ANSWERS HAVE BEEN SCANNED

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
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FULL ESTIMATED COST                              172.55     568.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -7.02

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FILE LAST UPDATED: 27 Sep 2007  (20070927/ED)

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=> s l11
L12             5 L11

=> d hist

     (FILE 'HOME' ENTERED AT 12:10:27 ON 28 SEP 2007)

     FILE 'REGISTRY' ENTERED AT 12:11:16 ON 28 SEP 2007
L1                STRUCTURE UPLOADED
L2              9 S L1 SSS SAM
L3            186 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:12:47 ON 28 SEP 2007
L4            102 S L3

     FILE 'REGISTRY' ENTERED AT 12:13:57 ON 28 SEP 2007
L5                STRUCTURE UPLOADED
L6              1 S L5 SSS SAM
L7             34 S L5 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:14:47 ON 28 SEP 2007
L8              9 S L7

     FILE 'REGISTRY' ENTERED AT 12:39:20 ON 28 SEP 2007
L9                STRUCTURE UPLOADED
L10             0 S L9 SSS SAM
L11             4 S L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:40:19 ON 28 SEP 2007
L12             5 S L11

=> s l12 not l8
L13             4 L12 NOT L8
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=> d ibib abs hitstr tot

L13  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1959:2147  CAPLUS
DOCUMENT NUMBER:          53:2147
ORIGINAL REFERENCE NO.:   53:419e-h
TITLE:                    Acyl derivatives of 5,6-dihydrobenzo[c]cinnoline
PATENT ASSIGNEE(S):       J. R. Geigy A.-G.
DOCUMENT TYPE:            Patent
LANGUAGE:                 Unavailable
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ------------------  ----   --------    ---------------------  --------
     GB 794775                  19580507    GB 1956-4809           19560216
     DE 1134680                             DE
AB   Substituted malonic esters or acid chlorides react with Na and 5,6-dihydrobenzo[c]
     cinnoline (I) to form N,N''-malonyl- dihydrobenzo[c]cinnolines, useful for the treatment
     of rheumatic ailments. Thus, n-BuCH(CO2Et)2 37.2 is added to NaOEt (from Na 6.6 and EtOH
     132), then I.HCl 25.2 parts added under N. Half the EtOH is distilled, xylene 70 parts
     added, and the distillation continued 12 hrs. at 140-45°. After cooling and adding water
     the aqueous phase is separated, shaken out with CHCl3 twice, acidified with 6N HCl, and
     the separated oil taken up in Et2O. Removal of Et2O leaves N,N''-(n-butylmalonyl)-5,6-
     dihydrobenzo[c]cinnoline (II), m. 141° (MeOH). In similar reactions are prepared the
     following N,N''-alkylmalonyl derivs of I (alkyl group and m.p. are given): Et, 126-8°;
     allyl, 118-19°; EtOCH2CH2, 114°; cyclopentyl, 129-30°; PhCH2, 194-5°; and Ph, 210°. An
     anhydrous solution of I, prepared by Zn dust reduction of benzo[c]cinnoline N-oxide,
     reacts with Na and arylmalonyl esters to yield N,N''-arylmalonyl derivs. of I (aryl group
     and m.p. are given): 3,4-Me2C6H3, 249°; 4-ClC6H4, 264°; β-pyridyl-4-ethyl, -; 4-
     ClC6H4CH2, 190°; and 3,4-Cl2C6H3CH2, 198°.  Aldehydes may be condensed with the active
     methylene group of I. MeCH:CHCHO 0.7 is added to I 2.3 in HOAc 25 parts and kept at 95°
     for 10 min.; N,N''-(crotonylidinemalonyl)-5,6- dihydrobenzo[c]cinnoline, m. 184-6°, sepa.
     on standing.  It is hydrogenated to II over 5% Pt on C. Furfural condenses with I to
     yield N,N''-furfurylmalonyl-5,6-dihydrobenzo[c]cinnoline.
IT   111272-04-9P, 1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3-(2H)-dione,
     2-cyclopentyl-
     RL: PREP (Preparation)
        (preparation of)
RN   111272-04-9  CAPLUS
CN   1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 2-cyclopentyl- (6CI)
     (CA INDEX NAME)
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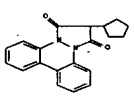

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L13  ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1957:62548  CAPLUS
DOCUMENT NUMBER:          51:62548
ORIGINAL REFERENCE NO.:   51:11398b-e
```
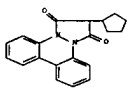

TITLE: Derivatives of carboxylic acid hydrazides
INVENTOR(S): Logemann, Willy
PATENT ASSIGNEE(S): Carlo Erba Societa per azioni
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2759944		19560821	US 1953-345700	19530330

AB Hydrazides of pyrazine carboxylic acids are very active analeptics (cf. C.A. 30, 48943). The current disclosure deals with the transformation of the usually toxic hydrazides to their MeSO3H salts which are of low toxicity while retaining their remarkable therapeutic properties. Thus, 6.85 g. isonicotinic acid hydrazide (I) is treated with 3.8 cc. HCHO and 5.2 g. NaHSO3 in 10 cc. H2O, heated 4 h. on the steam bath, the clear yellow solution cooled, evaporated in a desiccator in vacuo, and the crystalline residue washed with a little ice H2O and recrystd. from a small amount of H2O. A suspension of 16.5 g. Ca sulfite in 100 cc. H2O is treated with 17 cc. 39.5N HCHO, SO2 introduced into the suspension and, after a solution is obtained, the excess SO2 removed with N, 27.4 g. I added, the mixture heated 4 h., and the solution evaporated in a desiccator in vacuo at room temperature. The crystalline Ca salt of the MeSO3H salt of the isonicotinic acid hydrazide, m. 215-20° (decomposition). I (137 g.) in 400 cc. H2O is treated with 84 cc. 35.8% HCHO (a precipitate separ.), the mixture warmed, and 64 g. SO2 gas introduced; the precipitate redissolves and, eventually, a 2nd precipitate is obtained, and upon cooling the MeSO3H salt of the isonicotinic acid hydrazide, m. 187-9° (decomposition), separ. After neutralization with Na2CO3, the Na salt of the previously described acid, m. 164-7° (decomposition), is obtained.

IT 111272-04-9
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 111272-04-9 CAPLUS
CN 1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 2-cyclopentyl- (6CI)
(CA INDEX NAME)

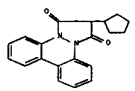


L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1957:62547 CAPLUS
DOCUMENT NUMBER: 51:62547
ORIGINAL REFERENCE NO.: 51:11398b
TITLE: 5,6-Dihydrobenzo[c]cinnoline derivatives
PATENT ASSIGNEE(S): Hacco-Gesellschaft A.-G.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 767163		19570130	GB 1955-1135	19550113

AB See U.S. 2,778,829 (preceding abstract).

IT 111272-04-9
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 111272-04-9 CAPLUS
CN 1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 2-cyclopentyl- (6CI)
(CA INDEX NAME)



L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1957:62546 CAPLUS
DOCUMENT NUMBER: 51:62546
ORIGINAL REFERENCE NO.: 51:11397g-i,11398a-b
TITLE: 5,6-Dihydrobenzo[c]cinnoline derivatives
INVENTOR(S): Natter, Max
PATENT ASSIGNEE(S): Hacco-Gesellschaft A.-G.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

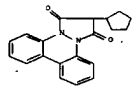
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2778829		19570122	US 1955-480990	19550110
DE 1071708			DE	

GI For diagram(s), see printed CA Issue.

AB New 5,6-dihydrobenzo[c]cinnoline derivs., X.N.CO.CHR.CO.N, have been prepared where X is o,o'-bi-phenylene and R is H or a hydrocarbon radical of not more than 10 C atoms which may contain an O atom forming an ether linkage, and the salts of these derivs. 5,6-Dihydrobenzo[c]cinnoline-HCl 11 parts by weight or an equivalent amount of the free base stirred with 250 parts by volume absolute ether in the absence of air and humidity, cooled to -10° 10 parts by weight BuCH(COCl)2 added, then 50 parts by volume absolute pyridine run in from a dropping funnel, the mixture stirred 0.5 hr. in an ice bath, then 1 hr. at 20-5° and 1.5 hrs. at 30-5°, the slurry rinsed into a separating funnel with a small amount of ether and 500 parts by volume 2N HCl, the mixture shaken, the aqueous layer discharged into a 2nd separating funnel, extracted with 300 parts by volume ether, the 2 ether solns. extracted separately and successively 3 times with portions of 500 parts by volume 2N HCl and then 3 times with portions of 150 parts by volume 2N NaOH solution, and the combined alkaline exts. stirred with ice and made acid to Congo red by slowly adding concentrated HCl give 13 parts by weight crude N,N'-(butylmalonyl)- 5,6-dihydrobenzo[c]cinnoline, which crystallized from MeOH, yields 7.1 parts by weight pure product, m. 140°. Other compds. similarly prepared are (R, m.p., and crystallization solvent given): Me, 205-6°, EtOH; Me2CH, 103°, EtOH; PhCH2, 190°, EtOAc or C6H6; hexyl, 112°, EtOH; H, 205-7°, HOCH2CH2OEt; MeCH(OMe)(CH2)3, 118°, EtOH; Et, 145°, EtOH; Pr, 117-18°, MeOH; furfuryl, 147°, EtOH; O.(CH2)4.CH.CH2, 128-9°, EtOH; BuOCH2CH2O, 71-2°,MeOH; PhOCH2CH2, 153-4°, EtOH; cyclopentyl, 124-5°, EtOH; cyclohexyl, 165°, EtOH; allyl, -, MeOH.

IT 111272-04-9P, 1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3-(2H)-dione, 2-cyclopentyl-
RL: PREP (Preparation)
(preparation of)
RN 111272-04-9 CAPLUS

CN 1H-Benzo[c]pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 2-cyclopentyl- (6CI)
(CA INDEX NAME)



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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.02	590.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-10.14

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:41:14 ON 28 SEP 2007

LOGINID:SSPTARHM1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	IMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency

NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS EXPRESS		19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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FILE 'HOME' ENTERED AT 12:10:27 ON 28 SEP 2007

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:11:16 ON 28 SEP 2007
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STRUCTURE FILE UPDATES: 27 SEP 2007 HIGHEST RN 948530-59-4
DICTIONARY FILE UPDATES: 27 SEP 2007 HIGHEST RN 948530-59-4

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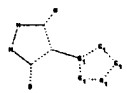
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10.564511\form 1b no bonds.str



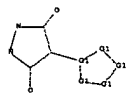
chain nodes :
6 7
ring nodes :
1 2 3 4 5 9 10 12 13 14
chain bonds :
1-7 4-6 5-9
ring bonds :
1-2 1-5 2-3 3-4 4-5 9-10 9-14 10-12 12-13 13-14
exact/norm bonds :
1-2 1-5 1-7 2-3 3-4 4-5 4-6 5-9 9-10 9-14 10-12 12-13 13-14

G1:C,O,S,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 9:Atom 10:CLASS 12:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 12:11:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 621 TO ITERATE

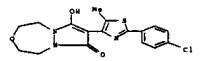
100.0% PROCESSED 621 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10925 TO 13915
PROJECTED ANSWERS: 9 TO 360

L2 9 SEA SSS SAM L1

=> d scan

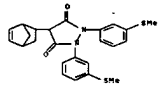
L2 9 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2-(4-chlorophenyl)-5-methyl-4-thiazolyl]-1,2,3,4,5-tetrahydro-9-hydroxy-
MF C17 H16 Cl N3 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

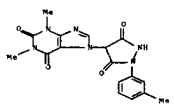
L2 9 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 3,5-Pyrazolidinedione, 1,2-bis[m-(methylthio)phenyl]-4-(5-norbornen-2-yl)-(6CI)
MF C24 H24 N2 O2 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 9 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN 1H-Purine-2,6-dione, 3,7-dihydro-1,3-dimethyl-7-[1-(3-methylphenyl)-3,5-dioxo-4-pyrazolidinyl]- (9CI)
MF C17 H16 N6 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s l1 sss full
FULL SEARCH INITIATED 12:12:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12868 TO ITERATE

100.0% PROCESSED 12868 ITERATIONS 186 ANSWERS
SEARCH TIME: 00.00.01

L3 186 SEA SSS FUL L1

=> file caplu
COST IN U.S. DOLLARS SINCE FILE ENTRY 173.00 TOTAL SESSION 173.21

FILE 'CAPLUS' ENTERED AT 12:12:47 ON 28 SEP 2007
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FILE COVERS 1907 - 28 Sep 2007 VOL 147 ISS 15
FILE LAST UPDATED: 27 Sep 2007 (20070927/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3

L4 102 L3

=>
=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY 0.94 TOTAL SESSION 174.15

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 12:13:57 ON 28 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 SEP 2007 HIGHEST RN 948530-59-4
DICTIONARY FILE UPDATES: 27 SEP 2007 HIGHEST RN 948530-59-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

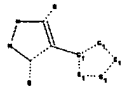
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10.564511\form 1bc no bonds.str



chain nodes :
6 7
ring nodes :
1 2 3 4 5 9 10 12 13 14
chain bonds :
1-7 4-6 5-9
ring bonds :

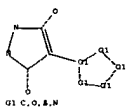
1-2 1-5 2-3 3-4 4-5 9-10 9-14 10-12 12-13 13-14
exact/norm bonds :
1-2 1-5 1-7 2-3 3-4 4-5 4-6 5-9 9-10 9-14 10-12 12-13 13-14

G1:C,O,S,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 9:Atom 10:CLASS 12:CLASS 13:CLASS 14:CLASS

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l5 sss sam
SAMPLE SEARCH INITIATED 12:14:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 621 TO ITERATE

100.0% PROCESSED 621 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 10925 TO 13915
PROJECTED ANSWERS: 1 TO 80

L6 1 SEA SSS SAM L5

=> d scma
'SCMA' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data

IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

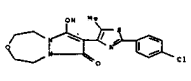
The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> d scan

L6 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[2-(4-chlorophenyl)-5-methyl-4-thiazolyl]-1,2,4,5-tetrahydro-9-hydroxy-
MF C17 H16 Cl N3 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>
=> s l5 sss full
FULL SEARCH INITIATED 12:14:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 12868 TO ITERATE

100.0% PROCESSED 12868 ITERATIONS 36 ANSWERS
SEARCH TIME: 00.00.01

L7 36 SEA SSS FUL L5

=> file capl
COST IN U.S. DOLLARS SINCE FILE ENTRY 172.10 TOTAL SESSION 346.25

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:14:47 ON 28 SEP 2007
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FILE COVERS 1907 - 28 Sep 2007 VOL 147 ISS 15
FILE LAST UPDATED: 27 Sep 2007 (20070927/ED)

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http://www.cas.org/infopolicy.html

=> s l7
L8 9 L7

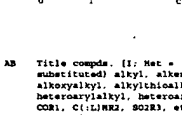
=> d ibib abs hitstr tot

L8 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:58284 CAPLUS Full-text
DOCUMENT NUMBER: 142:134630
TITLE: Preparation of heteroarylpyrazolidinediones as pesticides and herbicides.
INVENTOR(S): Fischer, Reiner; Assmann, Lutz; Lehr, Stefan; Dreves, Mark Wilhelm; Feucht, Dieter; Nalsam, Olga; Bojack, Guido; Auler, Thomas; Hills, Martin Jeffrey; Kehne, Heinz; Arnold, Christian
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

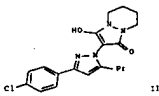
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005005428	A1	20050120	WO 2004-EP7665	20040712
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10331675	A1	20050210	DE 2003-10331675	20030714
EP 1648898	A1	20060426	EP 2004-763173	20040712
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004012552	A	20060919	BR 2004-12552	20040712
CN 1849321	A	20061018	CN 2004-80026010	20040712
JP 2007526892	T	20070920	JP 2006-519852	20040712
IN 2006DN00058	A	20070824	IN 2006-DN58	20060103
US 2007066488	A1	20070322	US 2006-564311	20060703
PRIORITY APPLN. INFO.:			DE 2003-10331675	A 20030714
			WO 2004-EP7665	W 20040712

OTHER SOURCE(S): MARPAT 142:134630
GI



I



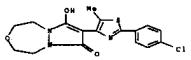
II

AB Title compds. [I; Het = (substituted) thiazolyl, oxazolyl, pyrazolyl; A = H, (halo-substituted) alkyl, alkenyl, alkoxyalkyl; D = H, (substituted) alkyl, alkenyl, alkynyl, alkoxyalkyl, alkylthioalkyl, (unsatd.) (hetero)cycloalkyl, aralkyl, aryl, heteroarylalkyl, heteroaryl, etc.; AD = atoms to form a (heteroatom-containing) ring; G = COR1, C(:L)NR2, SO2R3, etc.; R1 = (substituted) alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, Ph, phenylalkyl, heteroaryl, phenoxyalkyl, heteroaryloxyalkyl, etc.; R2 = (substituted) alkyl, alkenyl, alkoxyalkyl, cycloalkyl, Ph, PhCH2; R3 = alkyl, haloalkyl, (substituted) Ph, PhCH2; L, M = O, S], were prepared Thus, title compound (II) (preparation given) at 1000 g/ha preemergent gave 100% control of Lolium and Setaria.

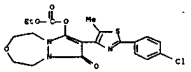
IT 827022-43-5P 827022-44-6P 827022-52-6P
827022-55-9P 827022-62-7P 827022-66-2P
827022-75-6P 827022-76-7P 827022-77-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN

(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heteroarylpyrazolidinediones as pesticides and herbicides)

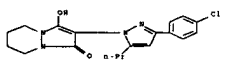
RN 827022-43-5 CAPLUS
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3-(4-chlorophenyl)-5-methyl-4-thiazolyl]-1,2,4,5-tetrahydro-9-hydroxy- (CA INDEX NAME)



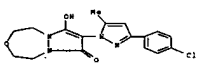
RN 827022-46-8 CAPLUS
CN Carbonic acid, 8-[3-(4-chlorophenyl)-5-methyl-4-thiazolyl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ethyl ester (CA INDEX NAME)



RN 827022-52-6 CAPLUS
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-(4-chlorophenyl)-5-propyl-1H-pyrazol-1-yl]-5,6,7,8-tetrahydro-3-hydroxy- (CA INDEX NAME)

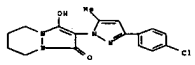


RN 827022-55-9 CAPLUS
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepin-7-one, 8-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-1,2,4,5-tetrahydro-9-hydroxy- (CA INDEX NAME)

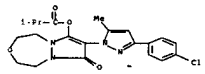


RN 827022-61-7 CAPLUS

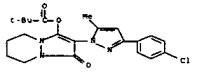
CN 1H-Pyrazolo[1,2-a]pyridazin-1-one, 2-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-5,6,7,8-tetrahydro-3-hydroxy- (CA INDEX NAME)



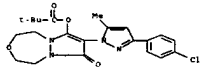
RN 827022-66-2 CAPLUS
CN Propanoic acid, 2-methyl-, 8-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (CA INDEX NAME)



RN 827022-70-8 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 2-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-5,6,7,8-tetrahydro-1-oxo-1H-pyrazolo[1,2-a]pyridazin-3-yl ester (CA INDEX NAME)

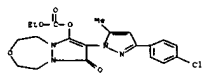


RN 827022-74-2 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, 8-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ester (CA INDEX NAME)



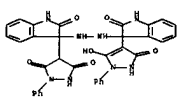
RN 827022-77-5 CAPLUS

CN Carbonic acid, 8-[3-(4-chlorophenyl)-5-methyl-1H-pyrazol-1-yl]-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl ethyl ester (CA INDEX NAME)

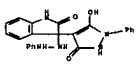


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

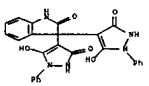
L8 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:60292 CAPLUS Full-text
DOCUMENT NUMBER: 126:131413
TITLE: Synthesis and reactions of 1,3-dihydro-3-(3',5'-dioxo-2'H-1'-phenylpyrazolidene)-2H-indol-2-one
AUTHOR(S): Aly, M. F.; Atta, A. H.; Younes, M. I.; Abou-Zeid, I. M.; Metwally, S. A. M.
CORPORATE SOURCE: Faculty Science (Qena), South Valley University, Qena, Egypt
SOURCE: Bulletin of the Faculty of Science, Assiut University, B: Chemistry (1996), 25(1), 25-33
CODEN: BFSAE6; ISSN: 1010-2671
PUBLISHER: Assiut University
DOCUMENT TYPE: Journal
LANGUAGE: English
AB 1,3-Dihydro-3-(3',5'-dioxo-2'H-1'-phenylpyrazolidene)-2H-indol-2-one is synthesized, and its reactions with active methylene derivs., amines, semicarbaride hydrochloride, and thiosemicarbaside are studied.
IT 186342-19-7P 186342-19-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reactions of (dioxophenylpyrazolidene)indolone derivative)
RN 186342-18-7 CAPLUS
CN 3,5-Pyrazolidinedione, 4-(3-[2-(3-(2,3-dihydro-5-hydroxy-3-oxo-1-phenyl-1H-pyrazol-4-yl)-2,3-dihydro-2-oxo-1H-indol-3-yl]hydrazino)-2,3-dihydro-2-oxo-1H-indol-3-yl]-1-phenyl- (9CI) (CA INDEX NAME)



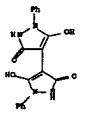
RN 186342-19-8 CAPLUS
CN 2H-Indol-2-one, 3-(2,3-dihydro-5-hydroxy-3-oxo-1-phenyl-1H-pyrazol-4-yl)-1,3-dihydro-3-(2-phenylhydrazino)- (9CI) (CA INDEX NAME)



IT 186342-15-4P 186342-20-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and reactions of (dioxophenylpyrazolidene)indolone derivative)
RN 186342-15-4 CAPLUS
CN 2H-Indol-2-one, 3,3-bis(2,3-dihydro-5-hydroxy-3-oxo-1-phenyl-1H-pyrazol-4-yl)-1,3-dihydro- (9CI) (CA INDEX NAME)



RN 186342-20-1 CAPLUS
CN [4,4'-Bi-3H-pyrazole]-3,3'-dione, 1,1',2,2'-tetrahydro-5,5'-dihydroxy-1,1'-diphenyl- (9CI) (CA INDEX NAME)



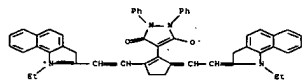
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:691060 CAPLUS Full-text
DOCUMENT NUMBER: 115:291060
TITLE: Infrared-sensitive silver halide photographic materials
INVENTOR(S): Hioki, Takanori
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

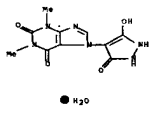
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03136038	A	19910610	JP 1989-275553	19891023
PRIORITY APPLN. INFO.:			JP 1989-275553	19891023

GI For diagram(s), see printed CA Issue.
AB The title materials contain dyes I in their non-photosensitive layers (R1-2 = alkyl; Z1-2 = 5-6-membered rings; Q = 5-7-membered rings; Y = ring with acidic group; L1-8 = methine; p, q = 0, 1; M = counterion; m ≥ 0). These materials are for laser scanning, and the above dyes absorb long-wavelength IR light used for position sensing and provide excellent photog. performance. Thus, an IR-sensitive film having an IR-sensitive emulsion layer and a protective layer on 1 side and a backcoat layer and a protective layer on the other side was prepared. The backcoat layer contained gelatin, Na polyethylenesulfonate, antihalation dye, hardening agent, coating aid, and IR-absorbing dye II absorbed on nonphotosensitive AgBr. The contents of the dye and AgBr were 0.14 and 0.75 g/m2, resp. The film was detected without error by sensor having 950-nm light-emitting diode, before and after storage of the film at 50°, 68% relative humidity for 5 days.
IT 137740-91-1
RL: USES (Uses)
(IR photog. film containing, for position sensing)
RN 137740-91-1 CAPLUS
CN 3H-Benz[g]indolium, 2-[2-[2-(2,3-dihydro-5-hydroxy-3-oxo-1,2-diphenyl-1H-pyrazol-4-yl)-3-[(1-ethyl-1,3-dihydro-2H-benz[g]indol-2-ylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-1-ethyl-, inner salt (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:482026 CAPLUS Full-text
DOCUMENT NUMBER: 101:82026
TITLE: Covalently linked purine-pyrimidine analogs. The structure of 7-(5-hydroxy-3-oxo-2,3-dihydro-4-pyrazolyl)theophylline monohydrate, C10H10N6O4.H2O
AUTHOR(S): Gavuzzo, E.; Mazza, F.; Carotti, A.; Casini, G.
CORPORATE SOURCE: Ist. Strutt. Chim. 'G. Giacomello', Montelotondo Stazione, 00016, Italy
SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1984), C40(7), 1231-3
CODEN: ACSCEE; ISSN: 0108-2701
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The title compound is orthorhombic, space group Pca21, with a 19.049(14), b 8.307(5), and c 7.669(5) Å; dm = dc = 1.58 for Z = 4. The final R = 0.058 and Rw = 0.082 for 1431 reflections. The monocyclic nucleus is in the enolic form and the lengthening of its carbonyl bond may be favored by its participation in a strong intermol. H bond with the enolic group. The packing is governed by a network of H bonds in which, apart from th H2O mol., all the accveptor and donor sites of the pyrazoline ring take part, and by a

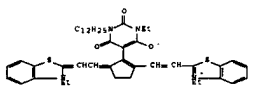
short contact between Me and carbonyl groups belonging to different mols. translated along the b direction. Atomic coordinates are given.
IT 91318-72-9
RL: PRP (Properties)
(structure of)
RN 91318-72-9 CAPLUS
CN 1H-Purine-2,6-dione, 7-(2,3-dihydro-5-hydroxy-3-oxo-1H-pyrazol-4-yl)-3,7-dihydro-1,3-dimethyl-, monohydrate (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:200868 CAPLUS Full-text
DOCUMENT NUMBER: 100:200868
TITLE: Photographic elements incorporating antihalation and/or acutance dyes
INVENTOR(S): Kitchin, Jonathan P.; Lea, Bernard A.; Burrows, Ronald W.
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA
SOURCE: Eur. Pat. Appl., 37 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 101646	A2	19840229	EP 1983-304664	19830812
EP 101646	A3	19850814		
EP 101646	B1	19880217		
R: BE, DE, FR, GB, IT				
JP 59056458	A	19840331	JP 1983-151475	19830819
JP 03076347	B	19911205		
BR 8304498	A	19840403	BR 1983-4498	19830819
JP 59064841	A	19840412	JP 1983-151473	19830819
JP 03056616	B	19910828		
CA 1249821	A1	19890207	CA 1983-435042	19830822
US 4581325	A	19860408	US 1985-693831	19850123
			GB 1982-24018	A 19820820
PRIORITY APPLN. INFO.:			US 1983-522482	A1 19830812

GI

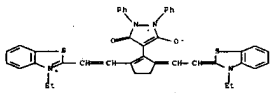


AB Dyes are described which are useful as antihalation and/or acutance dyes in photog. or Ag halide photothermog. materials. The dyes absorb in near-IR and have low visible absorption. Thus, a rubbed polyester support was coated with a layer containing I 0.04 g, 2-propanol 20, 6% gelatin 72 mL, Na dioctylsulfosuccinate 0.25 g, 4% HCOH 2 mL at 0.8 cm3/dcm2, overcoated with a 2% Ag(Br,I) emulsion which was S- and Au-sensitized and contained 13 mg of the IR sensitizer 3,3'-diethylthiacarbocyanine iodide as 0.04% solution in MeOH/mol Ag, imagewise exposed to near-IR light (500 W lamp with a Kodak Wratten 88A filter), developed and fixed to display images with clear sharp edged lines.

IT 57116-66-2, 89836-18-0 89836-19-1
89836-20-4 89836-22-6 89836-24-8
RL: USES (Uses)
(photog. and photothermog. antihalation and acutance dye, spectral characteristics of)

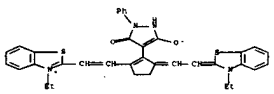
RN 57116-66-2 CAPLUS

CN Benzothiazolium, 2-[2-[2-(2,3-dihydro-5-hydroxy-3-oxo-1,2-diphenyl-1H-pyrazol-4-yl)-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



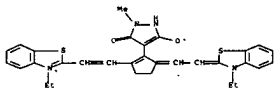
RN 89836-18-0 CAPLUS

CN Benzothiazolium, 2-[2-[2-(2,5-dihydro-3-hydroxy-5-oxo-1-phenyl-1H-pyrazol-4-yl)-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



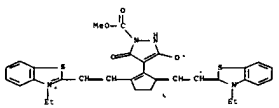
RN 89836-19-1 CAPLUS

CN Benzothiazolium, 2-[2-[2-[2,5-dihydro-3-hydroxy-1-methyl-5-oxo-1H-pyrazol-4-yl)-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



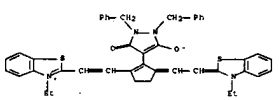
RN 89836-20-4 CAPLUS

CN Benzothiazolium, 2-[2-[2-[2,5-dihydro-3-hydroxy-1-(methoxycarbonyl)-5-oxo-1H-pyrazol-4-yl]-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



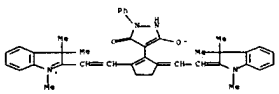
RN 89836-22-6 CAPLUS

CN Benzothiazolium, 2-[2-[2-[2,3-dihydro-5-hydroxy-3-oxo-1,2-bis(phenylmethyl)-1H-pyrazol-4-yl]-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



RN 89836-24-8 CAPLUS

CN 3H-Indolium, 2-[2-[2-(2,5-dihydro-3-hydroxy-5-oxo-1-phenyl-1H-pyrazol-4-yl)-3-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-1,3,3-trimethyl-, inner salt (9CI) (CA INDEX NAME)



L8 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1975:586287 CAPLUS Full-text
DOCUMENT NUMBER: 83:186287
TITLE: Photodegradative dye imagery with fluorescent probe monitoring
AUTHOR(S): Byers, Gary W.
CORPORATE SOURCE: UK
SOURCE: Research Disclosure (1975), 136, 9-10 (No. 13607)
CODEN: RSDSBB; ISSN: 0374-4353
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GD 136007		19750810	GD 1975-136007	19750810

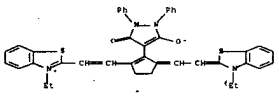
PRIORITY APPLN. INFO.:

AB H-aggregating cyanine-type dyes are incorporated into O-permeable coatings or the dye exists almost entirely in the aggregate state, and upon imagewise exposure in the presence of O the monomeric state is produced in the exposed areas, the latter state having a higher fluorescence efficiency than the aggregate state thus permitting the fluorescence difference to be monitored. Thus, a composition containing 5 mg of 1,1'-diethyl-4,4'-dicarbocyanine iodide, 4 ml of pyridine, and 1 ml of 17% Butvar in 1:1 acetone-toluene was coated on a polyester support and upon flash exposure using a Xe photoflash gun held ≤2 cm from the coating, a 3-fold increase in the fluorescence intensity at 830 nm with excitation at 750 nm was observed in the exposed areas.

IT 57116-66-2
RL: USES (Uses)
(photog. fluorescence image production in H-aggregate coatings of, by oxidative photodegrdn.)

RN 57116-66-2 CAPLUS

CN Benzothiazolium, 2-[2-[2-(2,3-dihydro-5-hydroxy-3-oxo-1,2-diphenyl-1H-pyrazol-4-yl)-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, inner salt (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1970:420440 CAPLUS Full-text
DOCUMENT NUMBER: 73:20440
TITLE: Sensitizing photographic emulsions
INVENTOR(S): Jenkins, Philip W.; Brooker, Leslie G. S.
PATENT ASSIGNEE(S): Eastman Kodak Co.
SOURCE: Fr., 13 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1573591		19690704	FR	19680711

PRIORITY APPLN. INFO.: US 19670728

GI For diagram(s), see printed CA Issue.

AB Silver bromoiodide emulsions are sensitized by the addition of I (R = H) and I [(RR) = CH:CHCH:CH] at 0.01 and 0.02 g I/mole Ag halide. The sensitization range is 750-900 nm, the maximum sensitization is 800-875 nm, and the amount of I is 10-20 mg/l. emulsion.

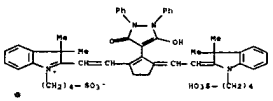
IT 28788-99-0 29026-07-1
RL: USES (Uses)
(photographic sensitizer)

RN 28788-99-0 CAPLUS

CN 3H-Indolium, 2-[2-[3-[2-[3,3-dimethyl-1-(4-sulfobutyl)-2-indolinylidene]ethylidene]-2-(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1-cyclopenten-1-yl]vinyl]-3,3-dimethyl-1-(4-sulfobutyl)-, compd. with triethylamine (1:2) (8CI) (CA INDEX NAME)

CM 1

CRN 47809-58-8
CMF C52 H56 N4 O8 S2



CM 2

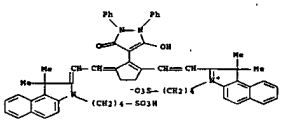
CRN 121-44-8
CMF C6 H15 N

RN 29026-07-1 CAPLUS

CN 1H-Benz[e]indolium, 2-[2-[3-[2-(3,1-dimethyl-3-(4-sulfobutyl)benz[e]indolin-2-ylidene]ethylidene]-2-(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1-cyclopenten-1-yl]vinyl]-1,1-dimethyl-3-(4-sulfobutyl)-, compd. with triethylamine (1:2) (8CI) (CA INDEX NAME)

CM 1

CRN 50570-71-3
CMF C60 H60 N4 O8 S2



CM 2

CRN 121-44-8
CMF C6 H15 N

L8 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1966:59344 CAPLUS Full-text
DOCUMENT NUMBER: 64:59344
ORIGINAL REFERENCE NO.: 64:11057e-f
TITLE: 1,2-Diphenyl-3,5-dioxopyrazolidine. VIII. Tautomerism and nuclear magnetic resonance spectra of some derivatives
AUTHOR(S): Mondelli, Rosanna; Merlini, Lucio
CORPORATE SOURCE: Politecnico, Milan
SOURCE: Gazzetta Chimica Italiana (1965), 95(11), 1371-84
CODEN: GCITA9; ISSN: 0016-5603
DOCUMENT TYPE: Journal
LANGUAGE: Italian

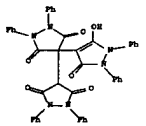
AB cf. CA 60, 8014f; 63, 8140h. Keto-enolic tautomerism is studied for derivs. of the title compound (I). Ir data are reported. In I and its 4-alkyl derivs. the diketonic form is prevalent; compds. with electron attracting groups in the 4-position are mainly in the enolic form. The aminoalkylidene derivs. exist mainly in the enamine form, as supported by uv spectra; here mesomeric polar structures give remarkable contributions.

IT 6168-08-9, [4,4'-Bipyrazolidine]-3,3',5,5'-tetrone, 4-(3-hydroxy-5-oxo-1,3-diphenyl-3-pyrazolin-4-yl)-1,1',2,2'-tetraphenyl- 6906-21-4, 3,5-Pyrazolidinedione, 4-(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-

(nuclear magnetic resonance of)

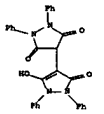
RN 6168-08-9 CAPLUS

CN [4,4'-Bipyrazolidine]-3,3',5,5'-tetrone, 4-(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,1',2,2'-tetraphenyl- (7CI, 8CI) (CA INDEX NAME)



RN 6906-21-4 CAPLUS

CN 3,5-Pyrazolidinedione, 4-(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl- (7CI, 8CI) (CA INDEX NAME)



L8 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1963:33429 CAPLUS Full-text
DOCUMENT NUMBER: 58:33429
ORIGINAL REFERENCE NO.: 58:5695f-h
TITLE: Pyrazolidine derivatives
INVENTOR(S): Mantegazzi, Antonio; Cavalleri, Bruno
PATENT ASSIGNEE(S): Istituto de Angeli Societa per Azioni
SOURCE: 10 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 906313		19620919	GB 1959-25197	19590722

PRIORITY APPLN. INFO.: GB 19590722

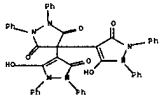
GI For diagram(s), see printed CA Issue.

AB Pyrazolidine compds. (I) and their salts, having antiphlogistic activity and useful in the treatment of rheumatism and arthritis, were prepared, where R represents alkyl-substituted or unsubstituted phenyl groups. To 12.6 g. 1,2-diphenyl-3,5-

pyrazolidinedione (II) in 90 cc. MeOH containing 5.5 cc. pyridine was added very slowly 5.3 g. Br at 10°, when the suspension became clear the solution refluxed 3 hrs., concentrated, the sirupy residue treated with H2O, and recrystd. from AcOH to give 2 g. I (R = Ph), m. 241-2°. The following salts of I (R = Ph) were prepared: di-Na salt; mono-Na salt m. 252° (decomposition); bisdiethanolamine salt m. 195° (decomposition); bistriethanolamine salt m. 194-7° (decomposition); bispiperazine salt m. 236-7° (decomposition); bismorpholine salt m. 246-7° (decomposition); Ca salt. The preparation of I (R = p-tolyl), m. 247° (CHCl3-Et2O or PhMe-Et2O), was described. Alternative procedures were described for the preparation of I (R = Ph); 1 method involved heating 1 mole 4,5-dibromo-1,2-diphenyl-1,5-pyrazotidinedione with 2 moles II mono-Na salt 2 min. at 140°.

IT 106712-56-5P, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl- 107307-37-9P, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compound with 2,2'-iminodiethanol 107421-38-5P, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compound with morpholine 107578-98-3P, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compound with piperazine 107660-83-3P, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compound with 2,2',2''-nitrilotriethanol 856334-24-2P, Morpholine, compound with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione 857186-92-6P, Piperazine, compound with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione (2:1) 859760-58-0P, Ethanol, 2,2',2''-nitrilotri-, compound with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione (2:1)
RL: PREP (Preparation)
(preparation of)

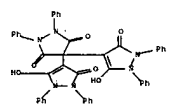
RN 106712-56-5 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl- (7CI) (CA INDEX NAME)



RN 107307-37-9 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compd. with 2,2'-iminodiethanol (7CI) (CA INDEX NAME)

CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



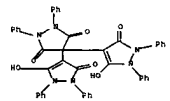
CM 2

CRN 111-42-2
CMF C4 H11 N O2

RN 107421-38-5 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compd. with morpholine (7CI) (CA INDEX NAME)

CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



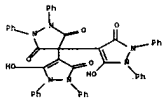
CM 2

CRN 110-91-8
CMF C4 H9 N O

RN 107578-98-3 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compd. with piperazine (7CI) (CA INDEX NAME)

CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



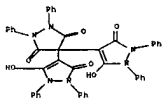
CM 2

CRN 110-85-0
CMF C4 H10 N2

RN 107660-83-3 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-, compd. with 2,2',2''-nitrilotriethanol (7CI) (CA INDEX NAME)

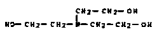
CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



CM 2

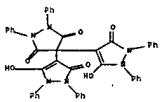
CRN 102-71-6
CMF C6 H15 N O3



RN 856334-24-2 CAPLUS
CN Morpholine, compd. with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione (7CI) (CA INDEX NAME)

CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



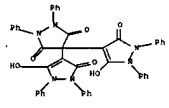
CM 2

CRN 110-91-8
CMF C4 H9 N O

RN 857186-92-6 CAPLUS
CN Piperazine, compd. with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione (2:1) (7CI) (CA INDEX NAME)

CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



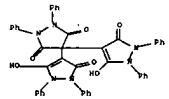
CM 2

CRN 110-85-0
CMF C4 H10 N2

RN 859760-58-0 CAPLUS
CN Ethanol, 2,2',2''-nitrilotri-, compd. with 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-3,5-pyrazolidinedione (2:1) (7CI) (CA INDEX NAME)

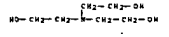
CM 1

CRN 106712-56-5
CMF C45 H32 N6 O6



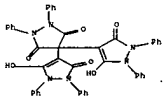
CM 2

CRN 102-71-6
CMF C6 H15 N O3



IT 106712-56-5, 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl-
(sodium derivs.)

RN 106712-56-5 CAPLUS
CN 3,5-Pyrazolidinedione, 4,4-bis(3-hydroxy-5-oxo-1,2-diphenyl-3-pyrazolin-4-yl)-1,2-diphenyl- (7CI) (CA INDEX NAME)



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EAST Search History

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S2	2	"6008230".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 13:34